



GE Medical Systems
OEC

MiniView[®] 6800 Installation Procedure

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Manual Text Revision History

<u>Rev</u>	<u>Dash</u>	<u>Date</u>	<u>Change Description</u>
A	-01	June, 2001	Release to manufacturing
B	-02	Feb, 2004	Changed to corresponds to eChecklist software application.

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Patents Pending.

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GE OEC Medical Systems, Inc.
384 Wright Brothers Drive
Salt Lake City, Utah 84116
U.S.A.
(801) 328-9300

WARNING

- THIS SERVICE MANUAL IS AVAILABLE IN ENGLISH ONLY.
- IF A CUSTOMER'S SERVICE PROVIDER REQUIRES A LANGUAGE OTHER THAN ENGLISH, IT IS THE CUSTOMER'S RESPONSIBILITY TO PROVIDE TRANSLATION SERVICES.
- DO NOT ATTEMPT TO SERVICE THE EQUIPMENT UNLESS THIS SERVICE MANUAL HAS BEEN CONSULTED AND IS UNDERSTOOD.
- FAILURE TO HEED THIS WARNING MAY RESULT IN INJURY TO THE SERVICE PROVIDER, OPERATOR OR PATIENT FROM ELECTRICAL SHOCK, MECHANICAL OR OTHER HAZARDS.

AVERTISSEMENT

- CE MANUAEL DE MAINTENANCE N'EST DISPONIBLE QU'EN ANGLAIS
- SI LE TECHNICIEN DU CLIENT A BESOIN DE CE MANUEL DANS UNE AUTRE LANGUE QUE L'ANGLAIS, C'EST AU CLIENT QU'IL INCOMBE DE LE FAIRE TRADUIRE.
- NE PAS TENTER D'INTERVENTION SUR LES ÉQUIPEMENT TANT QUE LE MANUEL SERVICE N'A PAS ÉTÉ CONSULTÉ ET COMPRIS.
- LE NON-RESPECT DE CET AVERTISSEMENT PEUT ENTRAÎNER CHEZ LE TECHNICIEN, L'OPÉRATEUR, OU LE PATIENT DES BLESSURES DUES À DES DANGERS ÉLECTRIQUES, MÉCANIQUES OU AUTRES.

WARNUNG

- DIESES KUNDENDIENST-HANDBUCH EXISTIERT NUR IN ENGLISHER SPRACHE.
- FALLS EIN FREMDER KUNDENDIENST EINE ANDERE SPRACHE BENÖTIGT IST ES AUFGABE DES KUNDEN FÜR EINE ENTSPRECHENDE ÜBERSETZUNG ZU SORGEN.
- VERSUCHEN SIE NICHT, DAS GERÄT ZU REPARIEREN, BEVOR DIESES KUNDENDIENST-HANDBUCH NICHT ZUR RATE GEZOGEN UND VERSTANDEN WURDE.
- WIRD DIESE WARNUNG NICHT BEACHTET, SO KANN ES ZU VERLETZUNGEN DES KUNDENDIENSTTECHNIKERS, DES BEDIENERS ODER DES PATIENTEN DURCH ELEKTRISCHE SCHLÄGE, MECHANISCHE ODER SONSTIGE GEFAHREN KOMMEN.

AVISO

- ESTE MANUAL DE SERVICIO SÓLO EXISTE EN INGLÉS.
- SI ALGÚN PROVEEDOR DE SERVICIOS AJENO A GEMS SOLICITA UN IDIOMA QUE NO SEA EL INGLÉS, ES RESPONSABILIDAD DEL CLIENTE OFRECER UN SERVICIO DE TRADUCCIÓN.
- NO SE DEBARÁ DAR SERVICIO TÉCNICO AL EQUIPO, SIN HABER CONSULTADO Y COMPRENDIDO ESTE MANUAL DE SERVICIO.
- LA NO OBSERVANCIA DEL RESPECTO AVISO PUEDE DAR LUGAR A QUE EL PROVEEDOR DE SERVICIOS, EL OPERADOR O EL PACIENTE SUFRAN LESIONES PROVOCADAS POR CAUSAS ELÉCTRICAS, MECÁNICAS O DE OTRA NATURALEZA.

ATENÇÃO

- ESTE MANUAL DE ASSISTÊNCIA TÉCNICA SÓ SE ENCONTRA DISPONÍVEL EM INGLÊS.
- SE QUALQUER OUTRO SERVIÇO DE ASSISTÊNCIA TÉCNICA, QUE NÃO A GEMS, SOLICITAR ESTES MANUAIS NOUTRO IDIOMA, É DA RESPONSABILIDADE DO CLIENTE FORNECER OS SERVIÇO DE TRADUÇÃO.
- NÃO TENHA TENTADO REPARAR O EQUIPAMENTO SEM TER CONSULTADO E COMPREENDIDO ESTE MANUAL DE ASSISTÊNCIA TÉCNICA.
- O NÃO CUMPRIMENTO AVISO PODE POR EM PERIGO A SEGURANÇA DO TÉCNICO, OPERADOR OU PACIENTE DEVIDO A' CHOQUES ELÉCTRICOS, MECÂNICOS OU OUTROS.

AVVERTENZA

- IL PRESENTE MANUALE DI MANUTENZIONE É DISPONIBILE SOLTANTO IN INGLESE.
- SE UN ADDETTO ALLA MANUTENZIONE ESTERNO ALL GEMS RICHIEDE IL MANUALE IN UNA LINGUA DIVERSA, IL CLIENTE É TENUTO A PROVVEDERE DEIRETTAMENTE ALLA TRADUZIONE.
- SI PROCEDA ALLA MANUTENZIONE DELL'APPARECCHIATURA SOLO DOPO AVER CONSULTATO IL PRESENTE MANUALE ED AVERNE COMPRESO IL CONTENUTO.
- NON TENERE CONTO DELLA PRESENTE AVVERTENZA POTREBBE FAR COMPIERE OPERAZIONI DA CCUI DERIVINO LESIONI ALL'ADDETTO ALLA MANUTENZIONE, ALL'UTILIZZATORE ED AL PAZIENTE PER FOLGORAZIONE ELETTRICA, PER URTI MECCANICI OD ALTRO RISCHI.

警告

- ・ このサービスマニュアルには英語版しかありません。
- ・ GEMS以外でサービスを担当される業者が英語以外の言語を要求される場合、翻訳作業はその業者の責任で行うものとさせていただきます。
- ・ このサービスマニュアルを熟読し理解せずに、装置のサービスを行わないで下さい。
- ・ この警告に従わない場合、サービスを担当される方、操作員あるいは患者さんが、感電や機械的又はその他の危険により負傷する可能性があります。

注意:

- 本维修手册仅存有英文本。
- 非 GEMS 公司的维修员要求非英文本的维修手册时，客户需自行负责翻译。
- 未详细阅读和完全了解本手册之前，不得进行维修。
- 忽略本注意事项会对维修员，操作员或病人造成触电，机械伤害或其他伤害。

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Administrative

This procedure describes how to install a 6800 System and should be used in conjunction with the *6800 Installation eChecklist*, 00-883207. Follow the inspection and installation procedures in the order they appear here.

Medical Facility Information

Click on the Header Tab and complete each field in the Medical Facility Information section of the *6800 Installation Checklist*. This section identifies the hospital or clinic, contact person, etc.

FSE/Installation Information

Click on the Header Tab and complete each field in the FSE/Installation Information section of the *6800 Installation Checklist*. This section identifies the Field Service Engineer and also provides information about the installation.

Configuration

Click on the Configuration Tab and complete each field in the Configuration section. This section identifies specific information about the system being installed.

Unpacking

Click on the Unpacking Tab and note who removed the system from the pallet and if there was any damage to the pallet.

CAUTION: *When you place a recently unpacked system into use, allow it to stand in its new environment long enough for any condensed moisture to evaporate. A decrease in temperature or a humidity increase can cause water vapor in the air to condense, sometimes on electric circuits. You may damage the equipment if you apply power before this condensation dries.*

Inspect each item listed in the *6800 Installation eChecklist's* Damage Inspection section. Select the appropriate description of the equipment from the combo boxes.

- No Problem Found
- Loose or missing parts
- Broken or damaged parts
- Chipped or scratched paint

Write details in the comments section if necessary.

Parts Problems

Click on the Parts Tab and if any optional or customer-supplied items are damaged or missing, list the item, quantity, and description of damage in the Parts Problems section of the *eChecklist*.

Note: Observe electrostatic discharge safety procedures.

- There are two power cord assemblies. The two Power Cord assemblies are wired differently to accommodate the different voltages. The correct power cord assembly must be used for proper operation of the system. One power cord assembly is used for voltage sources ranging from 100 - 127 VAC and different power cord assembly is used for voltage sources ranging from 200 – 250 VAC.



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WARNING *Electrical circuits inside the equipment use voltages that are capable of causing serious injury or death from electrical shock. Use appropriate precautions.*

Mechanical Checks

Click on the Inspection Tab and complete the Mechanical Inspection section of the eChecklist.

1. Check the MiniView wheels and brake/steering bar positions. Verify the brake bar operates properly in all three positions — brakes on (pedal down), free steering (pedal level) and locked steering (pedal up).
2. Move the Articulating Arm up and down through its entire range feeling for sticky mechanical operation. Verify the arm can be left in any position without falling or raising on its own.
3. Move the C-arm about the Articulating Arm (Flip Flop) while feeling for sticky operation. Verify the C-arm can be left in any position without moving on its own.
4. Verify the Flip Flop Arm is securely held in position when the brake is engaged.
5. Verify the C-arm is securely held in position when the Orbital Brake is engaged. .
6. Unlock the orbital brake. Orbit the C-arm from stop to stop while feeling for sticky operation. Position the C-arm with the Image Intensifier down and lock the orbital brake.

Isolation Transformer Strapping

Click on the Transformer Strapping Tab and complete the Isolation Transformer section of the eChecklist.

To match the nominal wall receptacle voltage to the input (primary) of the isolation transformer, you must select the correct tap voltage for the wires on Primary 1 (BRN, WHT/BLU) and the wires on Primary 2 (WHT/BRN, BLU).

Warning: *Electrical shock may result when contact is made with the wiring or terminals connected to the Secondary side of the Isolation transformer labeled "NEUTRAL" or "NEU" if any device attached to this wiring has its Primary NEUTRAL tied to earth ground.*

1. Plug the power cord into the wall outlet.
2. If the system is equipped with a 100-127 VAC power cord, measure the voltage from the BRN wire to WHT/BLU on T1 primary. If the voltage measured was from 100 –127 VAC use Table 1 to determine strapping.

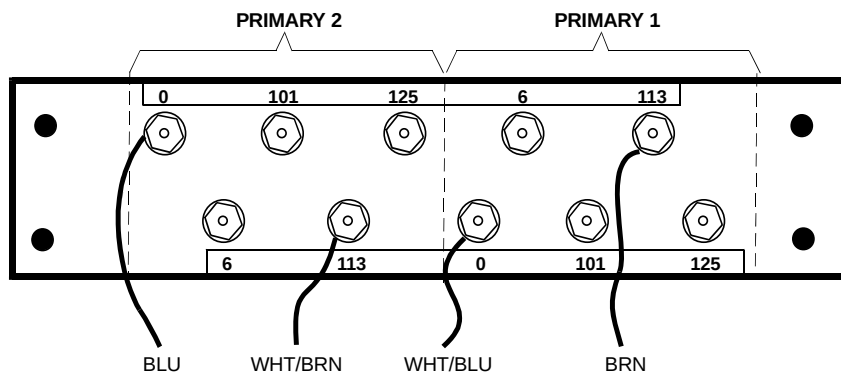
If the system is equipped with a 200-250 VAC power cord, measure the voltage from the BRN wire to BLU on the T1 primary. If the voltage measured was between 200 –250 VAC use Table 2 (next page) to determine strapping.

For example, if the voltage measured equals 112 VAC, use Table 1 (100 – 127 VAC). The correct voltage taps would be found in the row described by voltage range 110.0 to 115.9. Connect the wires as described in that row.

For Example: If the voltage measured equals 224 VAC, use Table 2 (220 – 250 VAC). The correct voltage taps would be found in the row described by voltage range 220.0 – 231.9 VAC. Connect the wires as described in that row.

Find the corresponding voltage range in the first column of the table and determine the voltage taps.

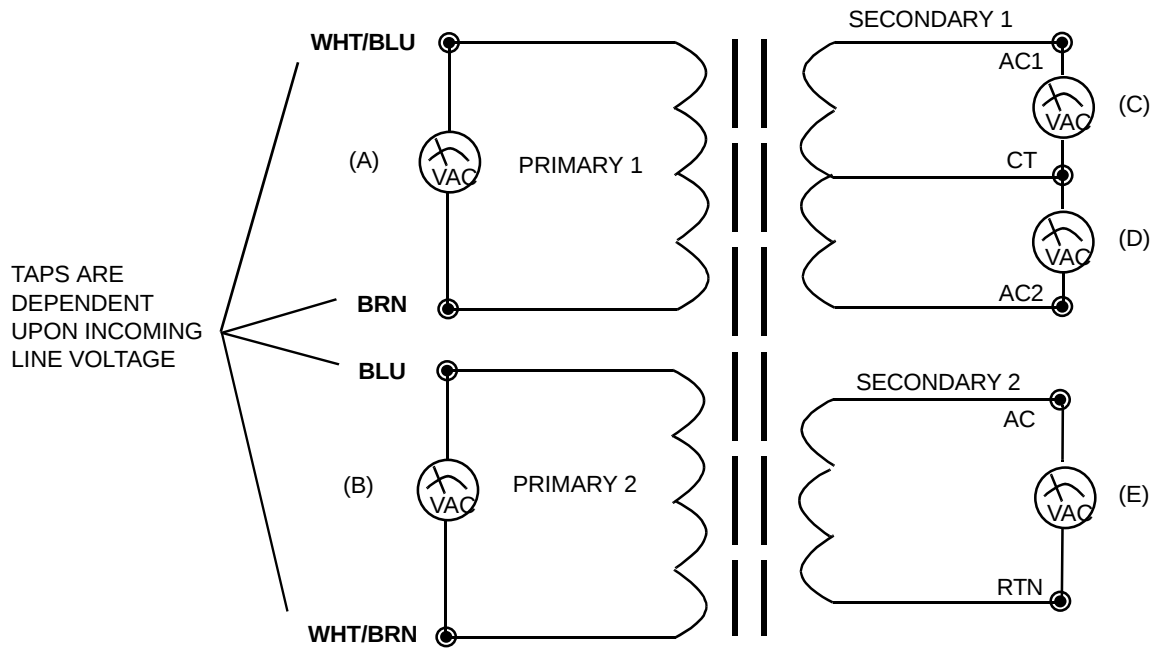
Table 1 (100 - 127 VAC)				
If the AC line voltage is between ...	Connect WHT/BLU wire to Primary #1 terminal...	Connect BRN wire to Primary #1 terminal...	Connect BLU wire to Primary #2 terminal...	Connect WHT/BRN wire to Primary #2 terminal...
104.0 to 109.9	6	113	6	113
110.0 to 115.9	0	113	0	113
116.0 to 121.9	6	125	6	125
122.0 to 128.0	0	125	0	125



Example: Isolation Transformer (T1) Tap Locations for 112 VAC Shown

Table 2 (200 – 250 VAC)				
If the AC line voltage determined in step 1 is between ...	Connect WHT/BLU wire to Primary #1 terminal...	Connect BRN wire to Primary #1 terminal...	Connect BLU wire to Primary #2 terminal...	Connect WHT/BRN wire to Primary #2 terminal...
196.0 to 207.9	0	101	0	101
208.0 to 219.9	6	113	6	113
220.0 to 231.9	0	113	0	113
232.0 to 243.9	6	125	6	125
244.0 to 256.0	0	125	0	125

3. With all options switched ON and the system fully booted, measure the following voltages at the primary and secondary of the isolation transformer (T1) and verify that they meet the specification. Record the measured value in the corresponding field in the *eChecklist*.



Isolation Transformer VAC Measurement

Table 3. Transformer Winding Voltage Specification				
Ref	Transformer winding	From	To	Spec
A	Primary 1 winding	WHT/BLU	BRN	Receptacle VAC
B	Primary 2 winding	BLU	WHT/BRN	Receptacle VAC
C	Secondary 1	CT	AC1	119 VAC $\pm$ 3.0
D	Secondary 1	CT	AC2	119 VAC $\pm$ 3.0
E	Secondary 2	RTN	AC	119 VAC $\pm$ 3.0

4. If it was necessary to adjust the strapping from the factory setting, check the adjustment box on the Checklist that corresponds to the strapping change that you made.

Electrical Checks

Power ON System

Click on the Electrical Tab and complete the Power On System section of the eChecklist.

1. Press the green Power On button. Verify that the button illuminates when pressed. The system will boot-up. Failures will be indicated by error codes on the systems rear panel LED's or message/error codes on the system's Left Video Monitor.

Note: If any code remains and the system fails to complete the Power ON sequence, refer to the MiniView 6800 Service Manual.

2. Verify that the Elapsed Time Indicator (ETI) is operating. (**NOTE:** Record the current ETI reading on your Field Service Report [FSR] and on the front page of the Installation Report and Checklist.

Note: The Elapsed Time Indicator will increment every 6 minutes or 1/10th of an hour. If the indicator is not running, initiate repairs before continuing the installation.

3. Verify that the following cooling fans are operating:

- Monitor fans (2)
- Workstation electronic box (2)
- PS1 fan
- Workstation CPU fan

WARNING: *Electrical circuits inside the equipment use voltages that are capable of causing serious injury or death from electrical shock. Use appropriate precautions.*

Line Voltage Regulation

Click on the Electrical Tab and complete the Line Voltage Regulation section of the eChecklist.

1. Measure the AC line voltage at the wall receptacle. Enter the no load voltage (Vn) on the checklist.

Note: In the next step, the voltage measured at the wall receptacle may drop during the fluoroscopic exposure. Read the meter at this time.

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2. Measure the line voltage at the wall receptacle while making a fluoroscopic exposure at 160 uA @ 80 kVp. Enter the voltage at maximum load (Vl) on the checklist.
3. Calculate the percentage line voltage regulation using the following formula and record the results on the Installation Report/Checklist.

$$100 \times \frac{(V_n - V_l)}{V_l} = \%Reg \quad \text{where: } V_n = \text{No load voltage} \\ V_l = \text{Max load voltage}$$

4. If the results above do not fall within the range of 0 to 15 percent, the customer should be informed that an in-house wiring problem exists. (This problem results in a violation of a provision of the Federal Performance Standards 21 CFR 1020.30)
5. Using a digital multimeter, perform the following **AC voltage** measurements and record the measured value on the Checklist:

From	To	Spec
Line Voltage (L1)	Neutral (N)	120 VAC (± 10%) (± 10% on all other voltages.)
Line Voltage (L1)	Ground (G)	120 VAC (± 10%) (± 10% on all other voltages.)
Neutral (N)	Ground (G)	< 5.0 VAC (Greater than 5 VAC indicates a problem)

6. Using a digital multimeter, perform the following **frequency** measurement and record the measured value on the Checklist:

From	To	Spec
Neutral (N)	Ground (G)	No measurable frequency

Functional Tests

C-arm and X-ray Controls

Click on the Functional Checks Tab and complete the C-Arm and X-Ray Controls section of the eChecklist.

Warning: Steps within this procedure produce X-rays. Use appropriate precautions.

1. Verify that Auto Fluoro LED on the C-arm Control Panel is illuminated.
2. Verify that the MAG LED on the Control Panel **is not** illuminated (Normal field size is selected).
3. Verify that the Auto Brightness/Contrast LED is illuminated on the Control Panel.
4. Press the Fluoro (left pedal) Footswitch. Verify that:
 - an image is displayed on the left monitor
 - the X-ray On indicator lamp illuminates
 - the audible Fluoro alarm can be heard
5. Press the X-ray Handswitch (Option) and verify an X-ray image appears on the left monitor.
6. Press the MAG field size and verify the MAG LED illuminates. Press an X-ray switch and verify that the collimator positions to the MAG field size.
7. Take a fluoro exposure and adjust the kVp/uA manually to a low or high value to make the displayed exposure very dark or very bright.
8. Press the Auto Brightness/Contrast button and verify the automatic correction of brightness and contrast in the left monitor display.
9. Take an exposure and verify operation of the Manual Brightness/Contrast control on the C-Arm Control Panel.
10. Take a Fluoro exposure and press the Camera ORIENTATION button. Verify that the image rotation indicators are visible and rotate from stop to stop.
11. Take a fluoro exposure and press the image reversal control. Verify that the Image Reversal LED illuminates and the image on the left monitor reverses.
12. Take a Fluoro exposure and press the increment/decrement NOISE FILTER button. Verify the image adjusts to fine and then to grainy.
13. Take a Fluoro exposure and then place 1 mm copper plate on the image intensifier. Press the LOW DOSE button and verify that:

- the LOW DOSE LED illuminates
 - the image on the left monitor appears darker
14. After five minutes of fluoro exposure the Fluoro Alarm will sound. Press the ALARM RESET button to silence the alarm. Press the ALARM RESET button for 2 seconds to reset the fluoro alarm timer.
 15. Press and verify operation of the SAVE/PRINT switch on the footswitch.

Keyboard Check

Click on the Functional Checks Tab and complete the Keyboard Check section of the eChecklist.

WARNING *This procedure produces X-rays. Take appropriate precautions.*

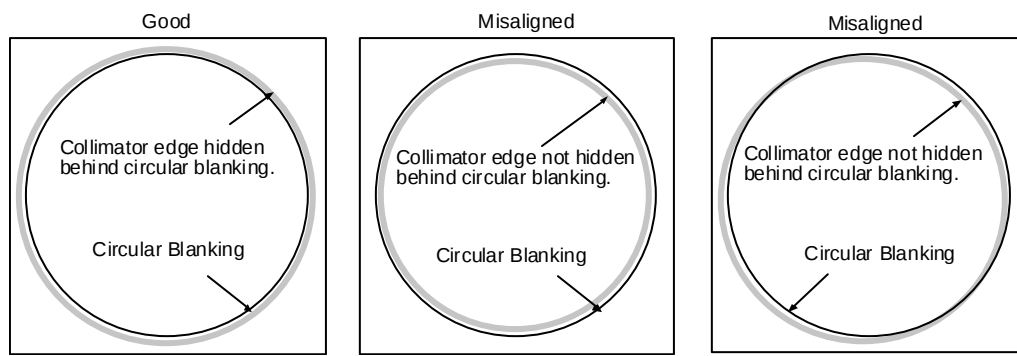
1. Verify the EDGE ENHANCEMENT function displays an indicator bar and that the amount of edge enhancement can be increased and decreased.
2. Verify the NOISE FILTER function displays an indicator bar and that the amount of filtering can be increased and decreased. The noise in the image should decrease as noise filtering is increased.
3. Verify the ZOOM function displays a square box known as the region of interest (ROI) and that you can magnify the ROI by touching the 2X and 4X buttons.
4. Verify the NEGATE function reverses the light and dark values on the image displayed on the left monitor.
5. Verify the CONTRAST function displays an indicator bar and that the amount of contrast can be increased and decreased.
6. Verify the BRIGHTNESS function displays an indicator bar and that the amount of brightness can be increased and decreased.
7. Verify the AUTO CONTRAST/BRIGHTNESS automatically selects the optimum values of contrast and brightness.
8. Verify the SWAP function exchanges images from the left and right monitors (need to have two different images on the left and right monitors).
9. Verify the SAVE function saves the image on the left monitor to the MiniView's hard drive.
10. Verify the PATIENT INFORMATION function activates the Patient Information screen. Enter patient information, display scheduled patients, display saved exams screen.
11. Verify the IMAGE DIRECTORY function allows you to review, print, and archive stored images and dose information.
12. Verify the IMAGE ANNOTATION function allows you to place markers, add comments and crop images.

13. Verify the SPECIAL APPLICATIONS function allows access to additional applications, if available.
14. Verify the CUSTOMIZE function allows access to the Customize screen.

Radiographic Beam Alignment Test

Click on the Functional Checks Tab and complete the Radiographic Beam Alignment Test section of the eChecklist.

1. Fluoro in the Normal field and the MAG field and verify that no collimator edges are visible in the image.



2. Fluoro and rotate the camera from stop to stop. Verify that the image rotation indicators appear and move properly. (If the image rotation indicators do not rotate correctly re-calibration of the image rotation is required).
3. Connect the Utility Suite cable between the laptop and the rear of the MiniView.
4. Enter RUT, select the Collimator/Camera Setup View. Then select Hide Circular Mask to remove the circular blanking from video. Verify that you are in the NORM mode.
5. Fluoro in NORM mode and verify that the edges of the beam are barely seen within the Camera Image by manually opening and closing the collimator.
6. Fluoro in MAG mode and verify that the edges of the beam are barely seen within the Camera Image by manually opening and closing the collimator.

Note: When measuring images with a penumbra, measure to the center of the penumbra.

7. Select NORM mode to reposition the collimator.
8. Make an exposure and measure the diameter (X and Y) of the X-ray beam using the ruler marks on the Beam Alignment Tool. Enter the measurement in the table's Beam Diameter Column.
9. Select MAG mode to reposition the collimator.

10. Make an exposure and measure the diameter (X and Y) of the X-ray beam using the ruler marks on the Beam Alignment Tool. Enter the measurement in the table's Beam Diameter Column.
11. Check the "Show Circular Mask" box on the form and disconnect RUT. (Do not save any data)
12. Select NORM mode and make an exposure. Measure the diameter (X and Y) of the X-ray beam using the ruler marks on the Beam Alignment Tool. Enter the measurement in the table's Image Diameter Column.
13. Select MAG mode and make an exposure. Measure the diameter (X and Y) of the X-ray beam using the ruler marks on the Beam Alignment Tool. Enter the measurement in the table's Image Diameter Column.
14. Subtract the Beam and Image diameters for each X & Y axis. Record the result in the Difference column (Must be less than 0.53 inches to be within 3% SID tolerance).
15. Add the X & Y differences for each field size. Record the result in the Sum Column (Must be less than 0.71 inches to be within 4% SID tolerance).
16. If the Difference or Sum data is not within tolerance, a collimator calibration is required.

If the measurements recorded for each field size (NORM and MAG) are within the limits specified, indicate in the *Report/Checklist* that the Beam Alignment Test passed.

Auto-Technique Tracking

Click on the Functional Checks Tab and complete the Auto-Technique Tracking section of the eChecklist.

1. Before verifying the camera iris setup, ensure that the collimator cover and image tube focus grid are in place on the system.
2. Place a 1 mm copper filter so that the beam has to pass through it at a right angle.
3. Take an AUTO-NORMAL X-ray and verify that the kV displayed reads $67 \text{ kV} \pm 0 \text{ kV}$.

Note: If the kV displayed is not within tolerance, adjust the camera iris to obtain a reading of $67 \text{ kV} \pm 0 \text{ kV}$. (Any of the μA readings associated with 67 kV is acceptable.)

4. Take an AUTO-MAG X-ray and verify that the system tracks to $72 \text{ kVp} \pm 0 \text{ kV}$.

Image Resolution

Click on the Functional Checks Tab and complete the Image Resolution section of the eChecklist.

1. Place the resolution tool at a 45° angle on the face of the focus grid near the center.
2. Verify that the following minimum resolutions can be seen in the image:

Field Size	Resolution 60 Hz	Resolution 50 Hz
NORM	≥ 2.2 lp/mm	≥ 2.5 lp/mm
MAG	≥ 3.0 lp/mm	≥ 3.0 lp/mm

Options

Click on the Options Tab and complete the Optional Equipment section of the eChecklist.

Refer to the MiniView Operator Manual for operating instructions if necessary. Ignore any following sections that are non-applicable to the system.

High Capacity Disk Test

1. Using the Image Directory verify that static image(s) can be saved to disk.

Laser Aimer

1. Verify operation of the Laser Aimer. Refer to the Operator Manual if necessary.

Thermal Printer Test

1. Verify an image can be printed to the thermal printer.

DICOM

1. If the DICOM option is available: Contact the system administrator and ask them if they are ready to have the DICOM option installed.

If they are ready, have the system administrator complete the DICOM Network Questionnaire found at the end of this procedure, then attach it to the *6800 Installation Report/Checklist* and mail them in together. Then Continue with DICOM installation.

If the Hospital is **not** ready for DICOM installation: photocopy the DICOM Network Questionnaire, leave it with the system administrator or equivalent, and schedule a time to complete DICOM installation. Continue with system installation.

2. Make electrical connections and configure the MiniView software.
3. Verify images can be archived and printed via the DICOM interface.
4. Verify that scheduled exams can be downloaded via the DICOM interface.

Backup the Configuration Files

If the Utility Suite is not installed on the Laptop, install it now.

1. Connect the Utility Suite cable between the Serial port on your Laptop and the ARCNET connector on the MiniView and insert a floppy disk into Drive A.
2. Double Click on the Utility Suite Icon located on your desktop.
3. Click on the View pulldown menu and select RUT
4. Click on the Connect pulldown menu and select System.
5. Click on the File pulldown menu, and select: Open, From System, Both.
6. Click on the File pulldown menu, and select: Save, To File, Both Files.
7. The Save window appears. Select Drive A (3.5 Floppy), type in the Serial Number of the MiniView and then click on Save.
8. Repeat this step twice to save two files with the extensions: rtw and rtg.
9. Leave the floppy with the system.

Reporting

Click on the Reporting Tab and complete the Comments section of the eChecklist.

Upon completion of the system installation, the technician performing the installation must complete and distribute the documentation listed below, as outlined in the instructions supplied in the Field Service Documentation package.

Reporting for Domestic Systems

- For domestic US systems: Complete FDA form 2579. By law, reporting and distribution of this form must be done within 15 days from the date of assembly (installation).
- Verify the serial and model numbers listed on the back of the system and note these on FDA form 2579. Verify that the control numbers on the system agree with those listed on FDA form 2579. The Control Number, dash number, and manufacturing date must be noted on FDA form 2579.
- Distribute FDA form 2579 (all copies) and the *Installation Checklist*, as outlined in Field Service Procedure FSP-10.
- The Field Service Report (FSR) or Child Case MUST list any and all deficiencies encountered during the installation of this system, including problem codes, descriptions and any parts which may have been replaced.

Reporting for International Systems

- Distribute as outlined in Field Service Procedure No. FSP-10.

DICOM Network Questionnaire

The purpose of this questionnaire is to collect and document information needed to complete the installation

Answer all questions.

Site Name: _____

Network Contact Person: _____

Phone #: (____) _____

E-mail address: _____

Network

1. Is there currently a network at the site? Yes _____ No _____

2. Does the site currently have a method for assigning IP addresses?

Yes _____ No _____

If yes, describe the method.

3. Is there a subnet router or Gateway on the network? Yes _____ No _____

If yes, what is the IP address of the router? _____ . _____ . _____ . _____

What is the subnet mask? _____ . _____ . _____ . _____

4. Will there be devices off site or in another department that are connected through a router to the main site?

Yes _____ No _____

If yes, list the router IP addresses and subnet mask for each remote site.

Router _____ . _____ . _____ . _____ Mask _____ . _____ . _____ . _____

Router _____ . _____ . _____ . _____ Mask _____ . _____ . _____ . _____

Router _____ . _____ . _____ . _____ Mask _____ . _____ . _____ . _____

PACs Server or Image Review Stations

1. List the server make(s) and model(s) _____
2. Server/Image Review Contact Person _____
 Phone #: (____) _____
 E-mail address: _____
3. List the information below for all PACs and/or Image Review Stations.

Common or Alias Name	IP Address	Port #	AE Title	Gateway Address (if applicable)
	_____ . _____ . _____ . _____			_____ . _____ . _____ . _____
	_____ . _____ . _____ . _____			_____ . _____ . _____ . _____
	_____ . _____ . _____ . _____			_____ . _____ . _____ . _____
	_____ . _____ . _____ . _____			_____ . _____ . _____ . _____
	_____ . _____ . _____ . _____			_____ . _____ . _____ . _____
	_____ . _____ . _____ . _____			_____ . _____ . _____ . _____
	_____ . _____ . _____ . _____			_____ . _____ . _____ . _____
	_____ . _____ . _____ . _____			_____ . _____ . _____ . _____
	_____ . _____ . _____ . _____			_____ . _____ . _____ . _____
	_____ . _____ . _____ . _____			_____ . _____ . _____ . _____

4. Possible modalities: RF _____ XA _____ SC _____

Printer

1. List the printer(s) make(s) and model(s) _____
2. Printer Contact Person _____
 Phone #: (____) _____
 E-mail address: _____
3. What is the printer(s) class? Grayscale _____ Color _____
4. List the information below for all Printers:

Common or Alias Name	IP Address	Port Number	AE Title
	_____ . _____ . _____ . _____		
	_____ . _____ . _____ . _____		
	_____ . _____ . _____ . _____		
	_____ . _____ . _____ . _____		
	_____ . _____ . _____ . _____		
	_____ . _____ . _____ . _____		
	_____ . _____ . _____ . _____		
	_____ . _____ . _____ . _____		
	_____ . _____ . _____ . _____		
	_____ . _____ . _____ . _____		
	_____ . _____ . _____ . _____		
	_____ . _____ . _____ . _____		
	_____ . _____ . _____ . _____		

5. Printer setup:

Border Density (black or white) _____

Empty Density (black or white) _____

Copies _____

Print Priority (low, medium, high) _____

Destination (magazine, processor) _____

Medium Type (paper, clear, blue) _____

Film Size _____

Preferred Format _____

GE OEC DICOM Interface

1. IP address(s) of OEC equipment:

_____ . _____ . _____ . _____ Location or Serial #: _____

_____ . _____ . _____ . _____ Location or Serial #: _____

_____ . _____ . _____ . _____ Location or Serial #: _____

_____ . _____ . _____ . _____ Location or Serial #: _____